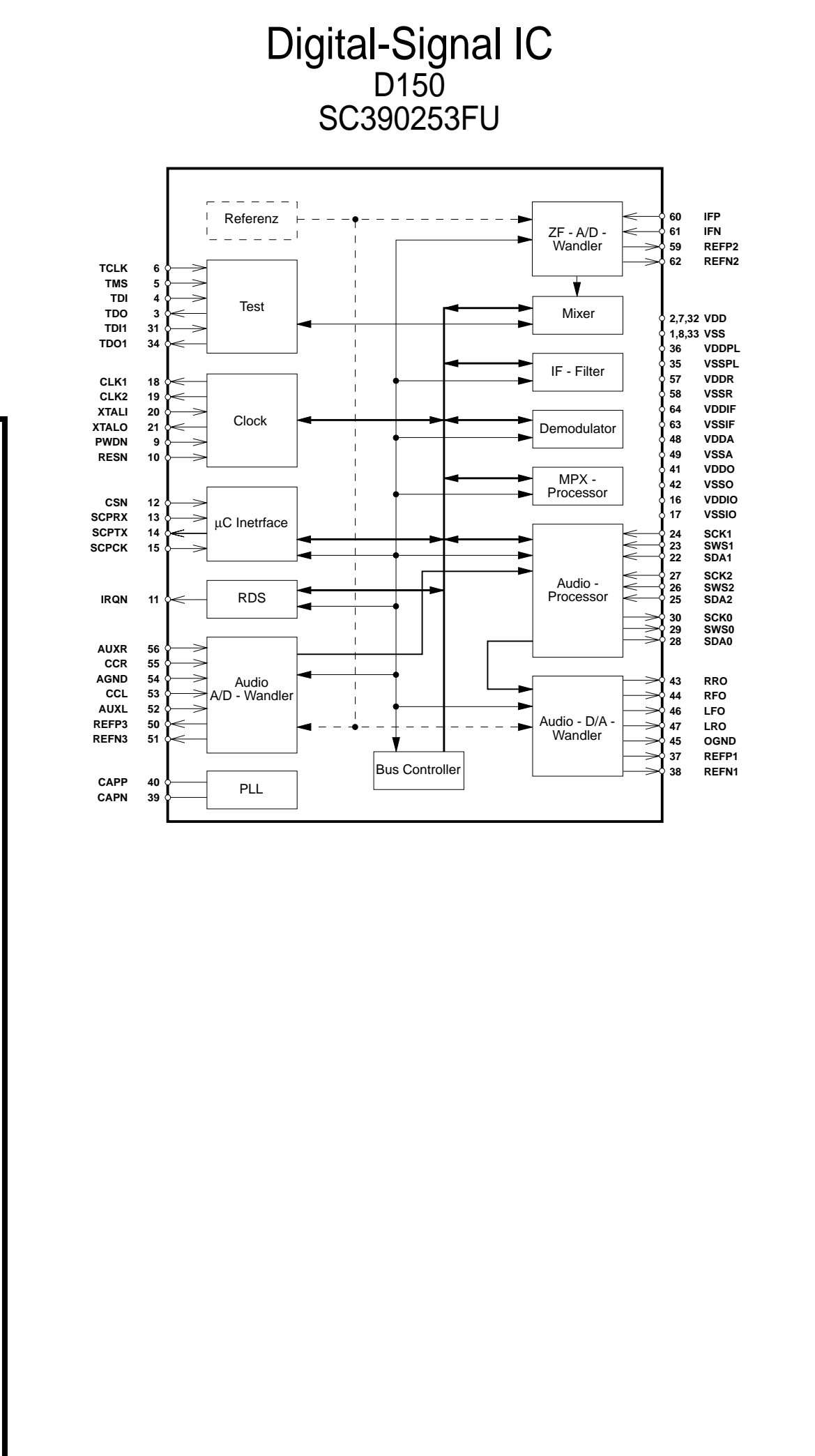
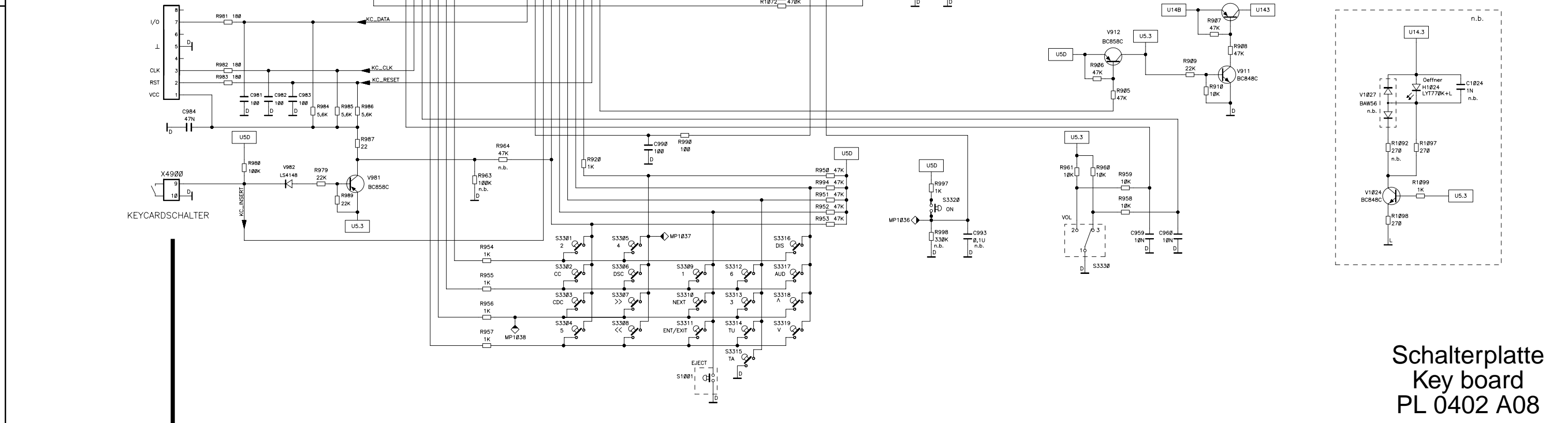
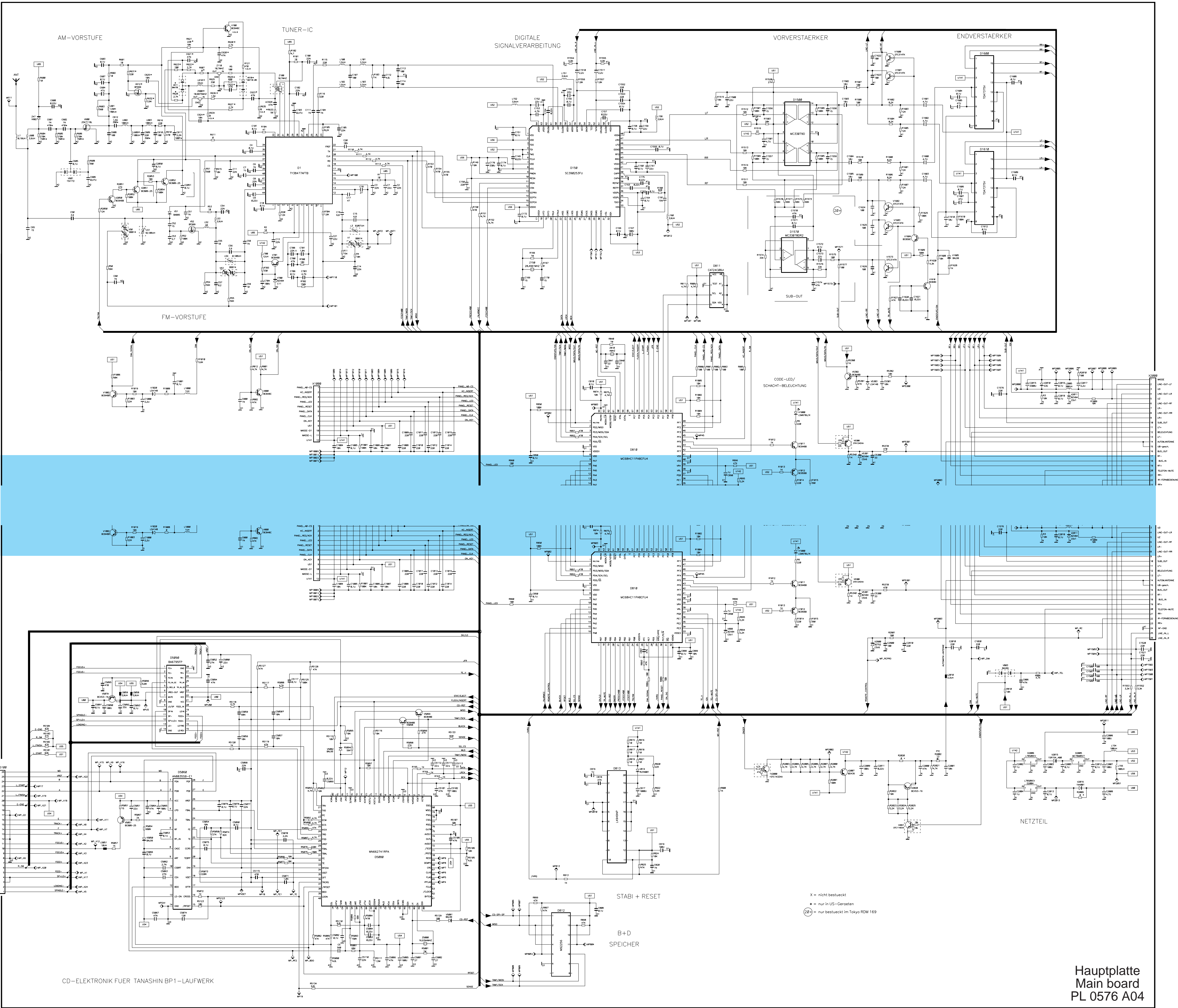


Prüfdiagnose Tuner IC (D1) Diagnosis test tuner IC (D1)						
Pin	Band	Frequenz	E'	Uss	Vermerke	Notice
24+25 (ZF-OUT)	FM	97,1 MHz	83 dbμV	650 mVss	jeweils gegen Masse	respective against GND
28	FM	97,1 MHz	80 dbμV	25 mVss		
31+32	FM	97,1 MHz	80 dbμV	200 mVss	jeweils gegen Masse	respective against GND
31+32	AM	900 kHz	80 dbμV	200 mVss	jeweils gegen Masse	respective against GND
34 (AM-IN)	AM	900 kHz	80 dbμV	50 mVss		
	AM	900 kHz	ab 73 dbμV		Künstliche Antenne aus	not commutated
37	FM	97,1 MHz	ab 80 dbμV			



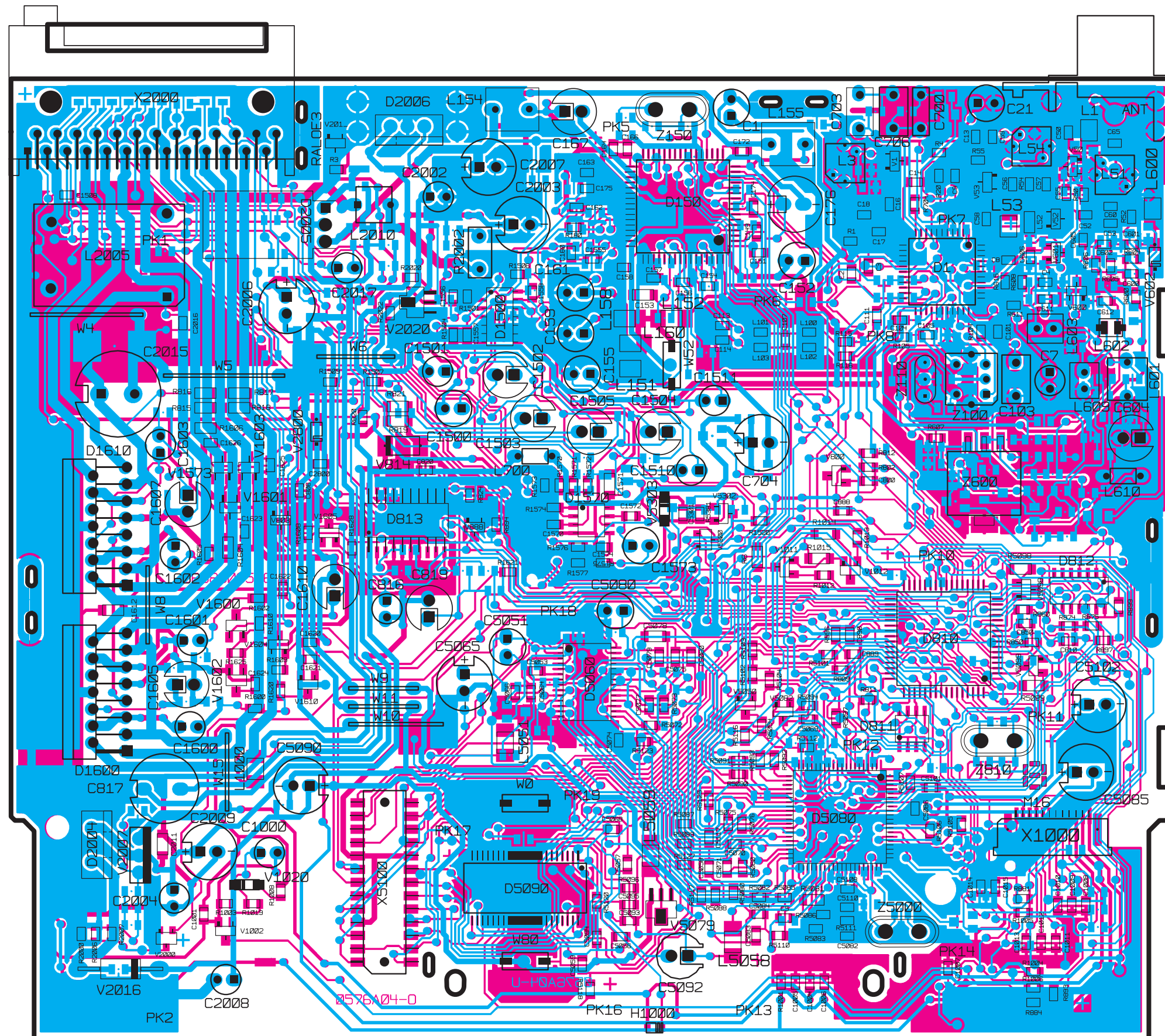


Pin-Belegung des IC D150				
Digital IC D150 Pin Configuration				
Pin No.	I/O	Name	Funktion	Function
1	-	VSS	Masse	Ground
2	-	VDD	5 V	5 V
4	I	TDI	Testdateneingang	Test Data Input
5	I	TMS	Test Mode	Testmode
6	I	TOCKL	Test Clock	Testclock
7	-	VDD	5 V	5 V
8	-	VSS	Masse	Ground
9	-	PWON	Power down Zustand	Power down Mode
10	-	RESN	Reset	Hardware reset (active LOW)
11	O	IRGN	RDS Alarm/SLS	RDS alarm/search stop
12	I	CSN	Chip select Eingang	Chip select $\mu$ C interface
13	I	SCRPRX	Serielle Daten $\mu$ C Interface	Serial data $\mu$ C interface IN
14	O	SCPTX	Serielle Daten $\mu$ C Interface	Serial data $\mu$ C interface OUT
15	I	SCPCCK	Clock $\mu$ C Interface	Clock $\mu$ C interface
16	-	VDDIO	Flussspannung Digitale Ein-/Ausgänge	Voltage for digital I/O
17	-	VSSIO	Masse Digitale Ein-/Ausgänge	Ground for digital I/O
18	O	CHL1	Programmierbarer Clock 1	Programmable clock 1
20	I	XTALI	28,5 MHz Oszillator	Oscillator 28,5 MHz
21	O	XTALO	28,5 MHz Oszillator	Oscillator 28,5 MHz
31	I	TDI1	Testdateneingang 1	Test Input 1
32	-	VDD	5 V	5 V
33	-	VSS	Masse	Ground
35	-	VSSPLL	Masse (Minus) PLL	Ground (minus) PLL
36	-	VDDPLL	Plus PLL 5V	PLL 5V (pos.)
37	O	REFP1	Audio D/A-Wandler Positive Referenz	Audio D/A converter (pos. reference)
38	O	REFN1	Audio D/A-Wandler Negative Referenz	Audio D/A converter (neg. reference)
39	-	CAPN	PLL Kapazität (negativ)	PLL capacity (neg.)
40	-	CAPP	PLL Kapazität (positiv)	PLL capacity (pos.)
41	-	VDDO	Audio D/A-Wandler 5V	Audio D/A converter (+5V)
42	-	VSSO	Audio D/A-Wandler Masse	Audio D/A converter (ground)
44	O	RFO	Audio Rechts (analog)	Analogic audio right
45	-	OGND	Masse Analogausgänge	Ground
46	-	LFO	Audio Links (analog)	Analogic audio left
48	-	VDDA	5V A/D-Wandler	5V A/D-converter
49	-	VSSA	Masse A/D-Wandler	Ground A/D-converter
50	O	REFP3	Audio D/A-Wandler Positive Referenz	Audio D/A converter (pos. reference)
51	O	REFN3	Audio D/A-Wandler Negative Referenz	Audio D/A converter (neg. reference)
52	I	AUXL	Externer Eingang links	Auxiliary left
53	I	CCL	Cassette Eingang links	Cassette input left
54	-	AGND	Audioeingänge Masse	Ground for Audio inputs
55	I	CCR	Cassette Eingang rechts	Cassette input right
56	I	AUXR	Externer Eingang rechts	Auxiliary left right
57	-	VDDR	5 V	5 V
58	-	VSSR	Masse	Ground
59	O	REFP2	Audio D/A-Wandler Positive Referenz	Audio D/A converter (pos. reference)
60	I	IFP	ZF Eingang (plus)	Positif IF input
61	I	IFN	ZF Eingang (minus)	IF input (neg.)
62	O	REFN2	Audio D/A-Wandler Negative Referenz	Audio D/A converter (neg. reference)
63	-	VSSIF	ZF A/D-Wandler (minus)	IF A/D converter (-)
64	-	VDDIF	ZF A/D-Wandler 5 V	IF A/D converter (+5V)





Hauptplatte  
Main board  
PL 0576 A04  
+Chip  
↓



Tokyo	RDM 169	US	8 622 402 339
München	RDM 169	US	8 622 402 339

